

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,786  
Source: PCT  
Date Processed by STIC: 3-25-05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/527,786

TIME: 09:02:13

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03252005\J527786.raw

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3 <110> APPLICANT: TING, KANG
5 <120> TITLE OF INVENTION: NELL-1 ENHANCED BONE MINERALIZATION
7 <130> FILE REFERENCE: 38586-327000
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/527,786
C--> 9 <141> CURRENT FILING DATE: 2005-03-11
9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/029281
10 <151> PRIOR FILING DATE: 2003-09-15
12 <160> NUMBER OF SEQ ID NOS: 2
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 2977
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
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26 ttagtttgtg ggttcttgtg gtgcaactgcc aggacagtgg tgggctttgg gatggaccct      180
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36 cgagaactgg agcacagcta ttttgaactg gagagcagtg gcctgaggga tgagattcgg      480
38 tatcactaca tacacaatgg gaagccaagg acagaggcac ttccttaccg catggcagat      540
40 ggacaatggc acaagggtgc actgtcagtt agcgctctc atctcctgct ccatgtcgac      600
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44 aatttatggc ttggccagcg caaccaaag catggcttat tcaaagggat catccaagat      720
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84 tattcactgt ccggggagtc ctgtattgac attgatgaat gtgccttaag aactcacacc 1920
86 tgttggaaacg attctgcctg catcaacctg gcaggggggtt ttgactgtct ctgcccctct 1980
88 gggccctcct gctctgggtga ctgtcctcat gaagggggggc tgaagcacaa tggccagggtg 2040
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106 cttcaaaata attgaagtat ttacagtgga ctcaacgcag aagaatggac gaaatgacca 2580
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116 tttgcaaata catttaaatg atctcatggt aaatgggtga tgtatttttt gggtttattt 2880
118 tgtgtactaa ccataataga gagagactca gctcctttta tttattttgt tgatttatgg 2940
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130 <223> OTHER INFORMATION: n is a, c, g, or t
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142 tgtcccagga tacattcgtg tggatgactt ctctgtgaca gaacacgatg aatgtggcag 300
144 cggccagcac aactgtgatg agaatgccat ctgcaccaac actgtccagg gacacagctg 360
146 cacctgcaaa ccgggctacg tggggaacgg gaccatctgc agagctttct gtgaagaggg 420
148 ctgcagatac ggtggaacgt gtgtggctcc caacaaatgt gtctgtccat ctggattcac 480
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152 ccattcccgc tgcgttaacc tgccagggtg gcaccactgt gagtgcagaa gcggtttcca 600
154 tgacgatggg acctattcac tgtccgggga gtccgtgatt gacattgatg aatgtgcctt 660
156 aagaactcac acctgttgga acgattctgc ctgcatcaac ctggcagggg gttttgactg 720
158 tctctgcccc tgtgggccct cctgctctgg tgactgtcct catgaagggg ggctgaagca 780
160 caatggccag gtgtggacct tgaaagaaga cagggtgtct gtctgtcctt gcaaggatgg 840
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168 ggtagattgc tggccactca cttgccccaa cttgagctgt gagtatacag ctatcttaga 1080
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172 catcagaaaa acttgccctg acagtatggt gtttcacggc ttagtggtc agtgtggacg 1200

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174 atggctggat ctccctgcac aacctgtaaa tgcaagaatg gaagagtctg ttgttctgtg 1260
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182 tgccttttgg acctaccact ttgctcattc ttgctaacct agtttaggtg acctacagtg 1500
184 ccgtgcattt aagtcagtgg ttgttaaaag aagtttcccg cgttgtaaat catgtttccc 1560
W--> 186 ttatcagatc atttgcaaat acatttaaat gatntcatgg taaatggttg tgtatttttt 1620
188 ggtttatatt ctgtactaac ataatagaga gagantnagc tccttttatt tattttgttg 1680
190 atttatggat caaattntaa aataaagttg cctgttgtgn aa 1722
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/527,786

DATE: 03/25/2005  
TIME: 09:02:14

Input Set : A:\PTO.SR.txt  
Output Set: N:\CRF4\03252005\J527786.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1594,1655,1657,1697,1720 ✓

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/10/527,786

DATE: 03/25/2005  
TIME: 09:02:14

Input Set : A:\PTO.SR.txt  
Output Set: N:\CRF4\03252005\J527786.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
in <220> to <223> section, please explain location of n or Xaa, and which  
residue n or Xaa represents.

Seq#:2; N Pos. 1594,1655,1657,1697,1720

**VERIFICATION SUMMARY**

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Input Set : A:\PTO.SR.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:186 M:258 W: Mandatory Feature missing, &lt;222&gt; Tag not found for SEQ ID#:2

L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1560

M:341 Repeated in SeqNo=2